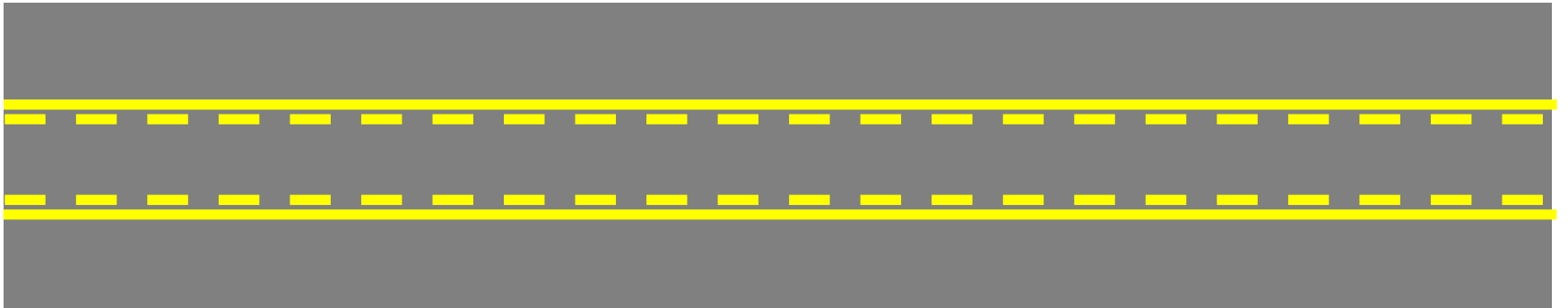


# Chapter 12

## ***Strip Studies***



# Strip Study

- Identification of crashes along a strip of roadway based on the specified county, dates, and Y-line, coinciding routes, and milepost range
- Beginning and ending mileposts must be specified
- All coinciding routes (high order and low order) must be entered
- All strip studies are milepost dependant
- Also called “segment” or “section” studies

# Standard Parameters

## General Strip Studies:

Date range = 3 years

Y-line = 0 feet

(allows for a comparison with crash rates)

## Fatal Strip Studies:

Date range = 5 years

Y-line = 0 feet

(allows for broader information - especially on rural roads)

## Pedestrian and/or Bicycle Strip Studies:

Date range = 10 years

Y-line = 50 feet

(smaller subset of data; captures parallel crosswalk areas)

# Standard Parameters (Cont.)

## Highway Safety Improvement Program (HSIP) Strip Studies:

Date range = 5 or 10 years (depending on the warrant)

Y-line = 0 feet

(allows for a comparison with safety warrants)

## Bridge Strip Studies:

Date range = 5 years

Y-line = 0 feet

Milepost range = length of bridge + 500 feet on either end

(milepost range can be expanded depending on site issues)

## Interchange Studies:

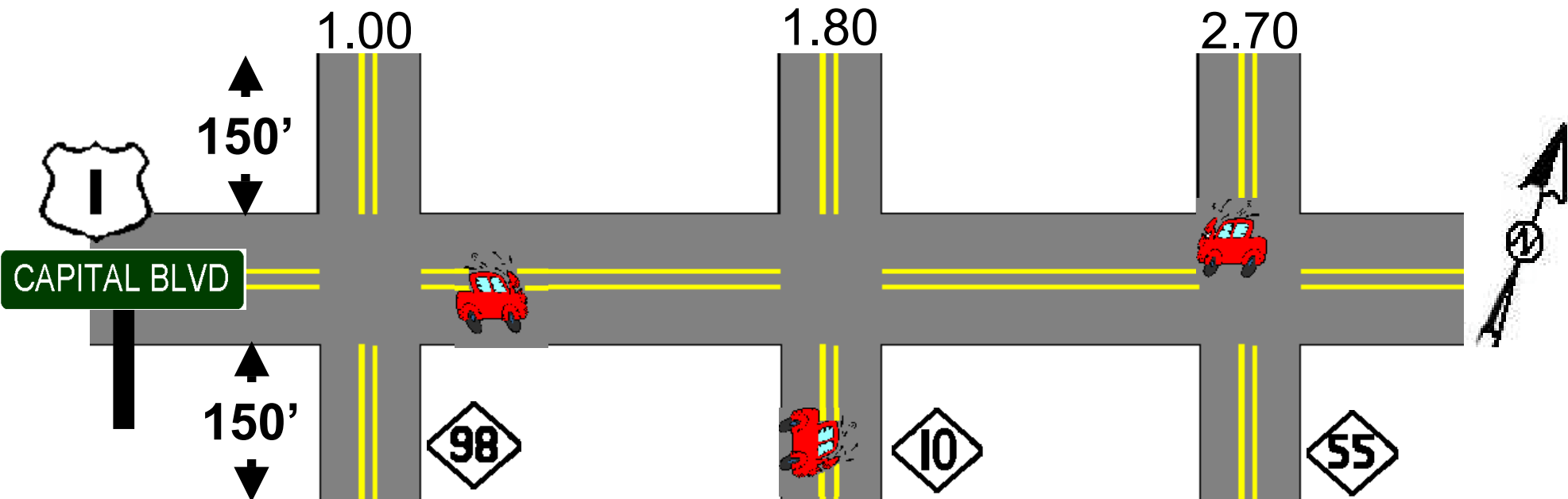
Date range = 3 years

Y-line = 0 feet (performed as two strip studies)

# Strips - Milepost Dependant

## Study Milepost Definition

US 1, MP 1.00 to MP 2.70



The following reported crashes would be included in a study of US 1/Capital Blvd from MP 1.00 to MP 2.70 (150' Y-Line):

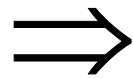
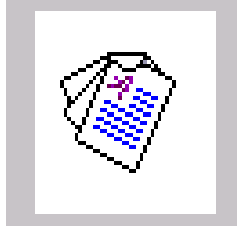
<u>ON RD</u>	<u>FROM RD</u>	<u>FROM DIST</u>	<u>FROM DIR</u>	<u>MP</u>
Capital Blvd	NC 98	250 ft	E	1.05
NC 10	US 1	100 ft	S	1.80
US 1	NC 55	0 ft		2.70

# Strip Identification

- Strip locations are identified by **MILEPOST** ranges (not route combinations)!
- When performing a strip study, it is necessary to determine all possible coinciding routes.
- Get the features reports for all coinciding strip routes.
- If your strip routes are not mileposted then they will need to be mileposted prior to performing the study.
- Crashes are identified by the study parameters and located on the strip by their milepost!

# Strip Study Screen

- Access the Strip Study screen by selecting the following:



Strip Study Report

- 4 Tabs within the Strip Study screen:
  - **Study Information** - allows for entry of general study information
  - **Road Identification** - allows users to generate a Fiche Report, and to specify the coinciding routes
  - **Accident Adjustments** - allows users to include or exclude accidents
  - **Feature Inclusion** - allows users to include Features not currently inventoried

# Study Information Tab

TEAAS - Reports - Intersection Analysis

Edit Help

Study Information | Road Identification | Accident Adjustments

Save As

**Study Area**

Study Name  Location Text

County  Division  Municipality

Y-Line Feet  Begin Date  End Date  Years

ADT  ADT Route  K/A Coeff.  B/C Coeff.

Log No.  PH No.  TIP No.

**Request Information**

Received  Courier Service  Requested By

Phone  Phone Ext.  Fax

**Last Update**

User ID

Date/Time

0 of 0

See Chapter 10  
for information  
on this screen.



# Road Identification Tab

TEAAS - Reports - Strip Analysis

Edit Help

Study Information Road Identification Accident Adjustments Feature Inclusions

Log No. [ ]

Generate Fiche Generate Study

Strip Road

Validate Name/Code

Road Code Road Name Begin MP End MP Length

Fiche Roads

Specify any coinciding routes. These roads, along with the strip road, will be used to generate the Fiche Report from this screen.

Lookup Validate Names/Codes

Table Input

Submit

Road Code Road Name

0 of 0

Strip road 8-digit code

Strip road name

Strip road ending  
milepost

Strip road beginning  
milepost

Coinciding route  
names and 8-digit  
codes

**Remember - use caution  
when using the  
“Lookup” button!**

# Road Identification Tab (Cont.)

- In the “Strip Road” section, enter a road that represents the most continuous segment for the location under study. A road name of up to 25 alphanumeric characters **OR** a valid 8-digit code may be entered.
- Enter the beginning and ending mileposts for the strip road.
- Click the “**Validate Name/Code**” button.

**Strip Road**

**Validate Name/Code**

Road Code	Road Name	Begin MP	End MP	Length
40001335	SR 1335	0.00	2.22	2.220

- Enter names or 8-digit codes for coinciding routes in the “Fiche Roads” section
- Click the “**Validate Names/Codes**” button.

**Fiche Roads**

Specify any coinciding routes. These roads, along with the strip road, will be used to generate the Fiche Report from this screen.

**Lookup** **Validate Names/Codes**

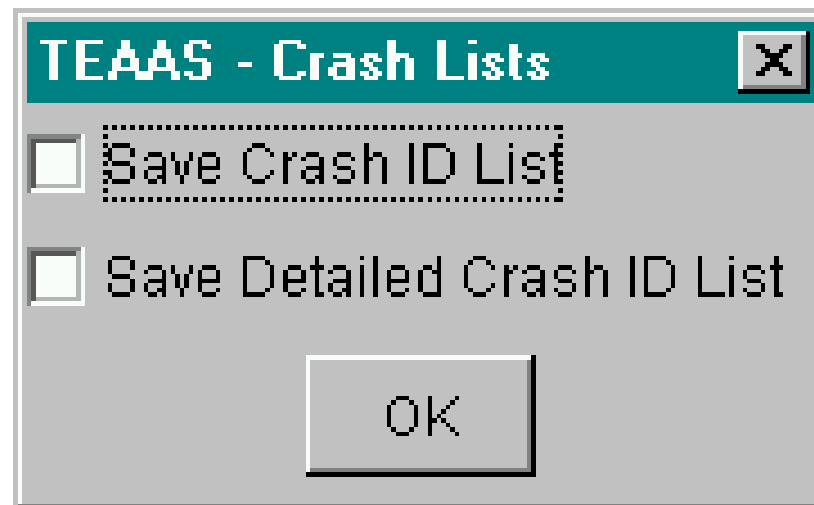
**Table Input**

		<b>Submit</b>
--	--	---------------

Road Code	Road Name
50030308	THIRD
50033187	WILSON

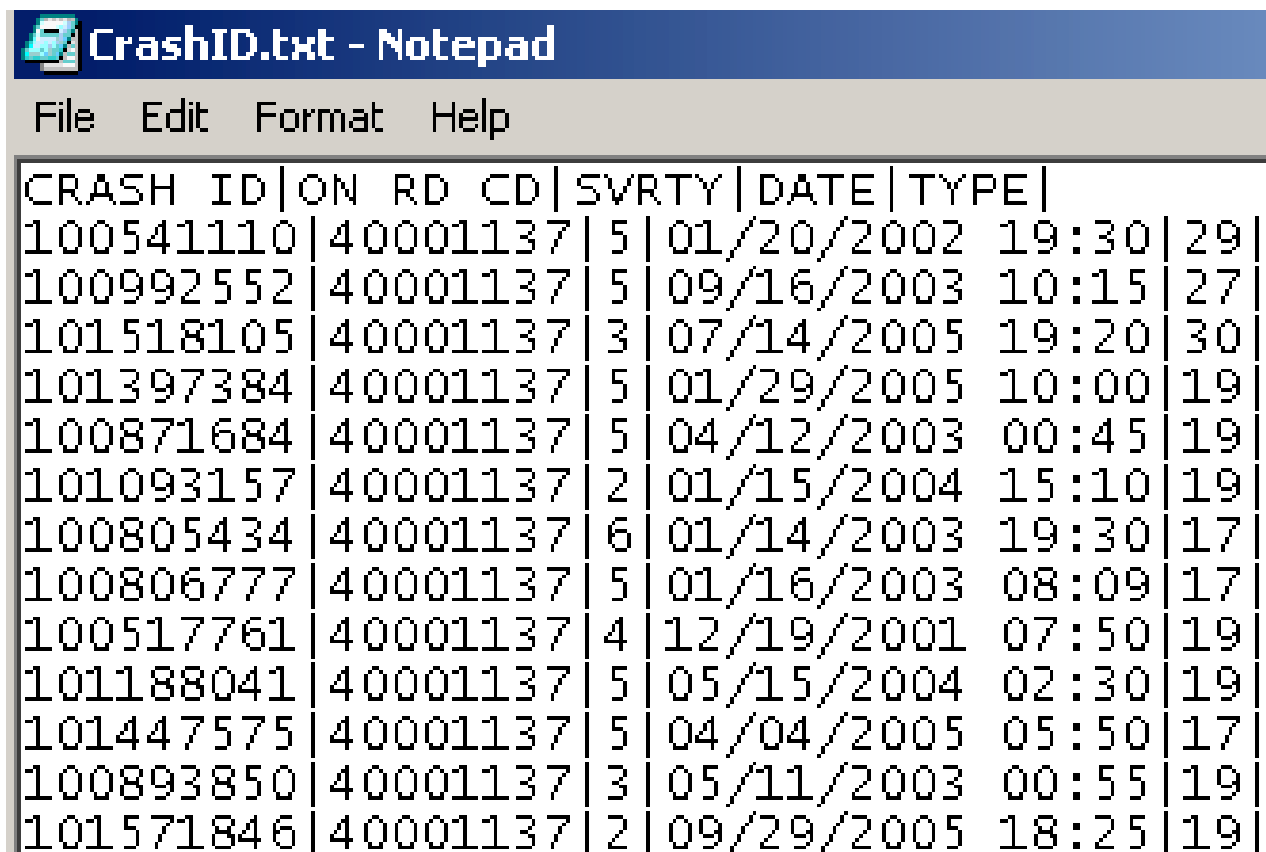
# Road Identification Tab (Cont.)

- Click on the “**Generate Study**” button to run a strip study based on the study criteria.
- A dialog box will prompt users to save a “Crash ID List” (crash level information) or a “Detailed Crash ID List” (person level information). Select the output option (if desired) and click the “**OK**” button. If selected, this information will be saved as a text file.



# Crash ID List

- This text file contains 5 columns of crash-level crash data.
- It may be imported into Excel or Access for further review.



CRASH ID	ON RD CD	SVRTY	DATE	TYPE
100541110	40001137	5	01/20/2002 19:30	29
100992552	40001137	5	09/16/2003 10:15	27
101518105	40001137	3	07/14/2005 19:20	30
101397384	40001137	5	01/29/2005 10:00	19
100871684	40001137	5	04/12/2003 00:45	19
101093157	40001137	2	01/15/2004 15:10	19
100805434	40001137	6	01/14/2003 19:30	17
100806777	40001137	5	01/16/2003 08:09	17
100517761	40001137	4	12/19/2001 07:50	19
101188041	40001137	5	05/15/2004 02:30	19
101447575	40001137	5	04/04/2005 05:50	17
100893850	40001137	3	05/11/2003 00:55	19
101571846	40001137	2	09/29/2005 18:25	19

# Detailed Crash ID List

- This text file contains 43 columns of person-level crash data.
- It may be imported into Excel or Access for further review.

DetailedCrashID.txt - Notepad

File Edit Format Help

CRASH ID	ON RD CD	SEV CD	DATE	ACDNT TYP	RD	COND	LIGHT COND	RDWY	FTR	DSTNCE	MLPST	ALCOHOL	RD DFCTS 1	RD DFCTS 2	TRFF CNTRL
100276595	20000074	4	01/19/2001	14:44	30	3	1 0 0	12.09	N 0	0 1 5	1 1 30	30 7 8 34	0 0	1 0 0 0	1 1 2 5
100276595	20000074	4	01/19/2001	14:44	30	3	1 0 0	12.09	N 0	0 1 5	2 2 30	30 0 0 0 0 0	0 0	1 0 0 0	1 1 2 4
100281558	50008516	4	01/27/2001	07:43	30	1	1 7 0	12.09	N 0	0 3 5	1 13 30 32	30 19 28 34	0 0	1 0 0 0	1 1 10 5
100281558	50008516	4	01/27/2001	07:43	30	1	1 7 0	12.09	N 0	0 3 5	2 1 30 32	30 0 0 0 0 0	0 0	1 0 0 0	1 1 2 4
100316605	50018919	5	03/19/2001	17:50	21	1	1 0 0	12.09	N 0	0 1 5	1 1 21	21 8 34 34	0 0	1 0 0 0	1 1 2 5
100316605	50018919	5	03/19/2001	17:50	21	1	1 0 0	12.09	N 0	0 1 5	2 2 21	21 0 0 0 0 0	0 0	1 0 0 0	1 1 2 5
100317529	20000074	5	03/20/2001	08:30	21	6	1 0 0	0.009	12.09	N 0 0 0 5	1 1 21	21 32 34 34	0 0	1 0 0 0	1 1 2 5
100317529	20000074	5	03/20/2001	08:30	21	6	1 0 0	0.009	12.09	N 0 0 0 5	1 1 21	21 32 34 34	0 0	1 0 0 0	2 2 4 5
100317529	20000074	5	03/20/2001	08:30	21	6	1 0 0	0.009	12.09	N 0 0 0 5	1 1 21	21 32 34 34	0 0	1 0 0 0	3 2 4 5
100317529	20000074	5	03/20/2001	08:30	21	6	1 0 0	0.009	12.09	N 0 0 0 5	2 1 21	21 0 0 0 0 0	0 0	1 0 0 0	1 1 2 5
100336721	20000074	5	04/16/2001	06:07	2	1 3 0	0 12.09	N 0 0 0 5	1 1 1	5 0 7 34	0 0	1 0 0 0	1 1 2 5		
100337469	50018919	5	04/17/2001	14:42	21	1	1 7 0	12.09	N 0	0 3 5	1 2 21	21 8 34 34	0 0	1 0 0 0	1 1 3 5

# Accident Adjustments Tab

- Allows users to edit (add, delete, re-milepost) crashes.
- Click the **“Generate Lists”** button to populate the data.

“Generate Lists” Button

“Included Accidents” table

“Study Accidents List” table

The screenshot shows the 'Accident Adjustments' tab in the TEAAS - Reports - Strip Analysis application. The window has a menu bar with 'Edit' and 'Help', and a toolbar with various icons. Below the menu bar are tabs for 'Study Information', 'Road Identification', 'Accident Adjustments' (selected), and 'Feature Inclusions'. The 'Accident Adjustments' tab contains several sections:

- Log No.**, **Begin MP**, **End MP**, and **Road Code** input fields.
- Generate Lists** and **Generate Study** buttons.
- Included Accidents** section with a **Table Input** area (with a **Submit** button) and a table with columns **Type**, **CrashID**, **Old MP**, and **New MP**. Below the table are buttons for **Import List** and **Sort**.
- Fiche Minus Study Accidents List** section with a description: 'These accidents appear in the Fiche Report, but do not currently appear in the study. Select those you want to include.' and an **Include** button.
- Study Accidents List** section with a table with columns **CrashID** and **Milepost**, a **Remilepost** button, and an **Exclude** button.
- Excluded Accidents** section with a description: 'These accidents initially appeared in the study, but will be excluded from the next generated study.' and a table with columns **CrashID** and **Milepost**.

At the bottom of the window is a status bar showing '0 of 0' and navigation buttons.

“Fiche Minus Study Accidents List” table

“Excluded Accidents” table

# Included Accidents

Crashes added to the study by:

- 1) Including crashes from the “Fiche Minus Study Accidents” table
- 2) Entering a Crash ID and new milepost into the “Table Input” section and clicking the “**Submit**” button
- 3) Clicking the “**Import List**” button to import a text file containing Crash IDs and milepost values
- 4) All added crashes must be given a new milepost that falls within the range specified for the strip road in the “Road Identification” tab.

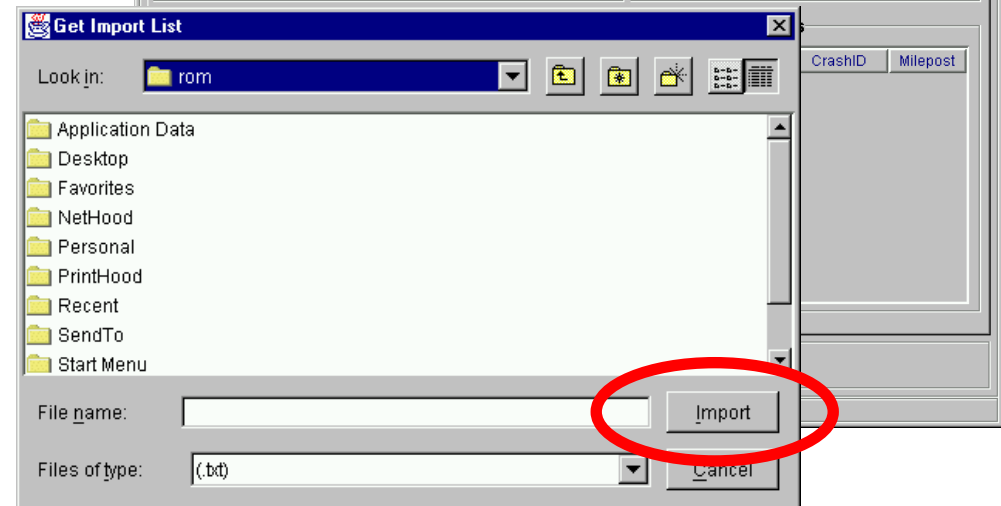
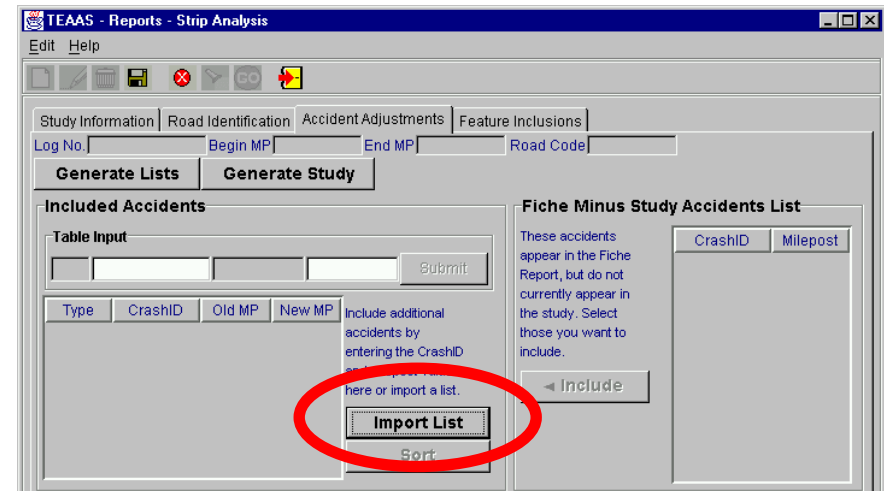
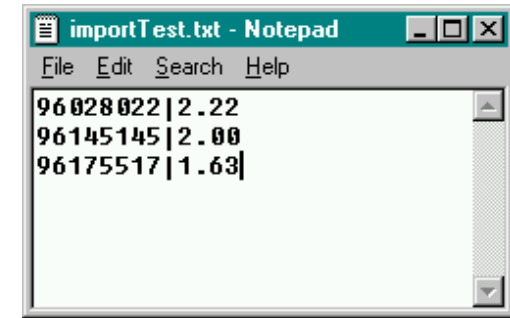
The screenshot shows a web interface titled "Included Accidents". It features a "Table Input" section with three empty input fields and a "Submit" button. Below this is a table with the following data:

Type	CrashID	Old MP	New MP
R	96090699	6.29	6.320
R	98169761	6.29	6.24
R	100253026	6.25	6.280
I	91108594	999.999	6.35
I	92173802	7.380	6.190
I	93185045	999.999	6.25

To the right of the table is a text box with the instruction: "Include additional accidents by entering the CrashID and milepost value here or import a list." Below this text box is an "Import List" button.

# Included Accidents - Importing a List

To import a list of crashes, they must first be saved into a text file with the Crash ID and milepost values separated by the “pipe” symbol (|). The text file should have no headers, and each row should have no more than one crash and milepost value. To import the crashes, the system will prompt users to locate the text file. Once located, click the “Import” button to import the list.





# Included Accidents (Cont.)

Crash ID  
currently  
being edited

Field to enter new  
milepost value

Shows all  
crashes that  
were either  
included or  
remileposted

**Included Accidents**

Table Input

R	98169761	6.29		Submit
---	----------	------	--	--------

Type	CrashID	Old MP	New MP
I	98165718	6.420	6.29
I	99216663	7.175	6.280
I	100333040	5.85	6.280
R	98169761	6.29	
I	100043531	4.9	
I	100035506	6.49	

Include additional accidents by entering the CrashID and milepost value here or import a list.

Import List

Type of edit  
I = Included  
R = Remileposted

Crash IDs

Old  
milepost  
value

New  
milepost  
value  
(blank until edited)

# Included Accidents (Cont.)

- To delete crashes:
  - Highlight the Crash ID
  - Click the “**Delete**” key
  - Highlight multiple records with the “**Ctrl**” or “**Shift**” keys
- To edit mileposts:
  - Highlight the Crash ID
  - Click the “**Enter**” key
  - Edit the milepost value
  - Click the “**Submit**” button

The screenshot shows a web interface titled "Included Accidents". At the top, there is a "Table Input" section with three empty text boxes and a "Submit" button. Below this is a table with the following data:

Type	CrashID	Old MP	New MP
R	96090699	6.29	6.320
R	98169761	6.29	6.24
R	100253026	6.25	6.280
I	91108594	999.999	6.35
I	92173802	7.380	6.190
I	93185045	999.999	6.25

To the right of the table, there is a vertical scrollbar and a text box containing the text: "Include additional accidents by entering the CrashID and milepost value here or import a list." Below this text box is an "Import List" button.

(Note - editing the milepost value of a crash only affects the current study and does not change the crash's milepost in the system.)

# Fiche Minus Study Accidents List

- Crashes appearing in this table are contained within the fiche report but have not been included in the study.

**Fiche Minus Study Accidents List**

These accidents appear in the Fiche Report, but do not currently appear in the study. Select those you want to include.

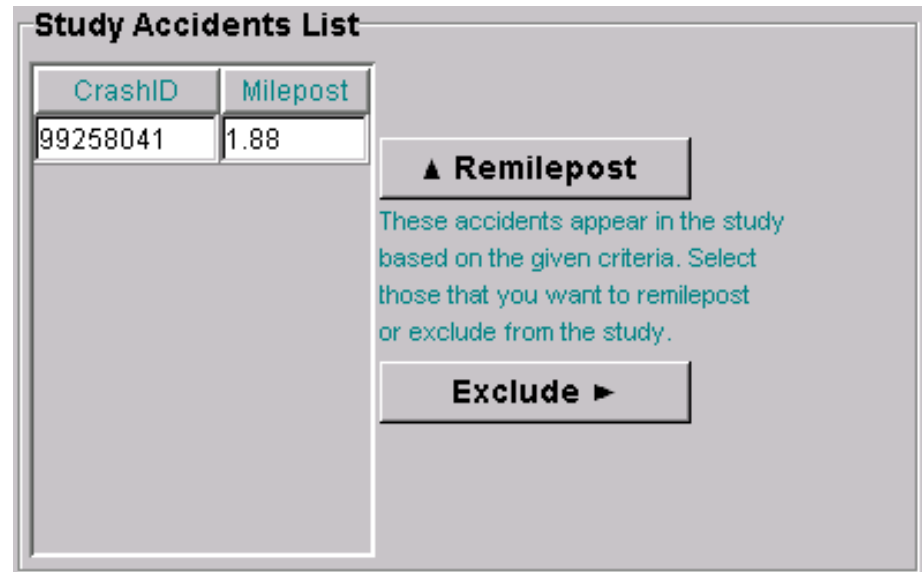
**◀ Include**

CrashID	Milepost
96028023	999.999
96145144	999.999
96175516	999.999
96178776	999.999
96217726	999.999
96237919	999.999
96243509	999.999
96251310	999.999
96256867	999.999

- To include crashes from this table into the study:
  - Highlight the Crash ID
  - Click the “**Include**” button
  - Highlight multiple records with the “**Ctrl**” or “**Shift**” keys

# Study Accidents List

- Crashes appearing in this table are in the study but may or may not be on the fiche report.
- To remilepost crashes, highlight the Crash ID(s) and click the “Remilepost” button. These crashes will be moved to the “Included Accidents” table where their mileposts can then be edited.
- To exclude crashes from the study:
  - Highlight the Crash ID and click the “**Exclude**” button
  - Highlight multiple records with the “**Ctrl**” or “**Shift**” keys



The screenshot shows a window titled "Study Accidents List". Inside, there is a table with two columns: "CrashID" and "Milepost". The first row contains the values "99258041" and "1.88". To the right of the table, there is a button labeled "▲ Remilepost". Below this button, there is a text instruction: "These accidents appear in the study based on the given criteria. Select those that you want to remilepost or exclude from the study." At the bottom right, there is another button labeled "Exclude ►".

CrashID	Milepost
99258041	1.88

▲ Remilepost

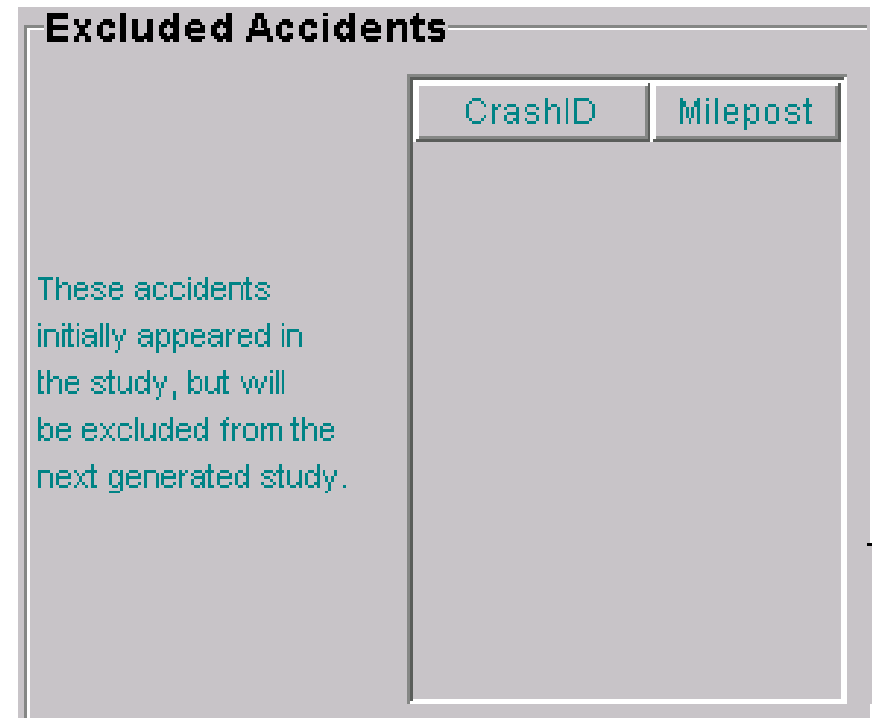
These accidents appear in the study based on the given criteria. Select those that you want to remilepost or exclude from the study.

Exclude ►

(Excluded crashes are moved to the “Excluded Accidents” table.)

# Excluded Accidents

- Can only be populated by excluding crashes from the “Study Accidents List” table



Excluded Accidents

These accidents initially appeared in the study, but will be excluded from the next generated study.

CrashID	Milepost
---------	----------

- To delete crashes from this panel
  - Highlight the Crash ID
  - Click the “**Delete**” key
  - Highlight multiple records using the “**Ctrl**” or “**Shift**” keys

# Feature Inclusions Tab

The “Feature Inclusions” tab allows users to include features and their location (milepost) that have not been inventoried on the strip road.

Field to enter the text of the new feature

Shows all features that have already been added

The screenshot shows the 'Feature Inclusions' tab in the TEAAS - Reports - Strip Analysis application. The window has a menu bar with 'Edit' and 'Help', and a toolbar with icons for file operations. Below the menu bar, there are tabs for 'Study Information', 'Road Identification', 'Accident Adjustments', and 'Feature Inclusions'. The 'Feature Inclusions' tab is active, showing fields for 'Log No.' (200110088), 'Begin MP' (5.190), 'End MP' (5.393), and 'Road Code' (40001401). A 'Generate Study' button is located below these fields. The main section is titled 'Include Other Features' and contains a text input field for 'Feature' and a 'Submit' button. Below this is a table showing existing features and their mileposts.

Feature	Milepost
Sharp Curve	1.23
McDonald's PVA	1.79
Jones Farm Rd (Private Drive)	2.70

Field to enter the milepost of the new feature

# Features Inclusions Tab (Cont.)

## To add a feature:

- Enter the feature text in the first field of the “Table Input” section
- Enter the feature’s milepost in the second field of the “Table Input” section (must be in the range specified for the strip road)
- Click the “**Submit**” button
- Repeat the process until all additional features have been added

(Note - adding features to a study does not add them to any feature report nor does it include them in the system.)

# Features Inclusions Tab (Cont.)

## To modify a feature:

- Highlight the row of the feature to be modified
- Click the “**Enter**” key
- Modify the the record in the “Table Input” section
- Click the “**Submit**” button

## To delete a feature:

- Highlight the row of the feature to be deleted
- Click the “**Delete**” key
- Highlight multiple records using the “**Ctrl**” or “**Shift**” keys



# Steps in Completing Strip Studies

- 1) Determine the location and reason for the study
  - Review maps
  - Run feature report(s)
  - Determine or calculate traffic volumes (AADTs)
  - Milepost strip road (if road is not already mileposted)
- 2) Enter study criteria
- 3) Generate a fiche report
- 4) Generate the initial study
- 5) Evaluate the fiche report and compare it with the initial study to determine if any crashes need to be added, deleted or remileposted
- 6) Add, delete, and/or remilepost crashes on the study in the “Accident Adjustments” tab
- 7) Add features on the “Features Inclusion” tab (if necessary)
- 8) Generate the final study

# Strip Study Example

Suppose you perform an Strip Study on SR 1335 in Washington County (MP 0.00-2.22), from 1/1/1996 through 12/31/1999, with a Y-Line of 50 feet.

Step A - Gather all maps (county, city, traffic count, etc.)

Step B - Run features reports

After reviewing the maps and studying other materials it was determined that the coinciding routes of SR 1335 are Third and Wilson. These two additional roads must be included as coinciding routes.

Step C - Calculate the weighted AADT (1,700 VPD)

# Strip Study Example (Cont.)

Step D - SR 1335 is not mileposted and must be manually mileposted. By using maps and other available information it has been determined that the following features need to be mileposted on SR 1335:

<b><u>FEATURE</u></b>	<b><u>MP</u></b>
PLYMOUTH CITY LIMITS	0.70
SR 1336/BATEMAN ST	1.08
START OF THIRD ST	1.96
HYMAN LANE	1.01
CAMPBELL ST	0.88
PINE ST	0.80
GOLF ST	1.36
WASHINGTON ST	2.20
JEFFERSON ST	2.11
MONROE ST	2.04
FOURTH ST	1.88
RR TRACKS	1.81
CHESTNUT ST (NORTHERN END)	1.79
CHESTNUT ST (SOUTHERN END)	1.60
US 64	0.00
POST OFFICE	2.13
WALMART PVA	1.85

# Strip Study Example (Cont.)

Step E - Click on the “**New**” icon

Step F - Enter study criteria

Step G - Click the “Road Identification” Tab

Step G

Step E

Step F

The screenshot shows the 'TEAAS - Reports - Strip Analysis' window with the 'Road Identification' tab selected. The window has a menu bar with 'Edit' and 'Help', and a toolbar with icons for 'New', 'Open', 'Save', 'Print', 'Exit', and 'GO'. The 'Study Information' tab is also visible. The 'Study Area' section contains the following fields:

- Study Name:** dtharpewashsr1335
- Location Text:** SR 1335 in Washington County
- County:** WASHINGTON (dropdown)
- Division:** (dropdown)
- Municipality:** All and Rural (dropdown)
- Y-Line Feet:** 50 (dropdown)
- Begin Date:** 1/1/1996
- End Date:** 12/31/1999
- Years:** 4 (dropdown)
- ADT:** 1700
- ADT Route:** 40001335
- K/A Coeff.:** 76.8
- B/C Coeff.:** 8.4
- Log No.:** (text box)
- PH No.:** (text box)
- TIP No.:** (text box)

The 'Request Information' section contains the following fields:

- Received:** (text box)
- Courier Service:** (text box)
- Requested By:** (text box)
- Phone:** (text box)
- Phone Ext.:** (text box)
- Fax:** (text box)

The 'Last Update' section contains the following fields:

- User ID:** (text box)
- Date/Time:** (text box)

# Strip Study Example (Cont.)

Step H - Enter the study route  
(SR 1335) in the “Strip  
Road” section

(The study route should be the most continuous  
route)

Step I - Enter the beginning and  
ending mileposts for SR  
1335 (0.00-2.22)

Step J - Enter the coinciding routes  
(Third and Wilson) into the  
“Fiche Roads” section

(There is no need to include SR 1335 in the fiche  
roads since it has been entered as the strip road)

Step K - Generate the fiche report

The screenshot shows the TEAAS - Reports - Strip Analysis window. Arrows indicate the following steps:

- Step K** points to the **Generate Fiche** button.
- Step H** points to the **Strip Road** section.
- Step I** points to the **Begin MP** and **End MP** fields.
- Step J** points to the **Fiche Roads** section, specifically the table input area.

The **Strip Road** section contains the following data:

Road Code	Road Name	Begin MP	End MP	Length
40001335	SR 1335	0.00	2.22	2.220

The **Fiche Roads** section contains the following data:

Road Code	Road Name
50030308	THIRD
50033187	WILSON

**Remember - use caution if using the  
“Lookup” button!**

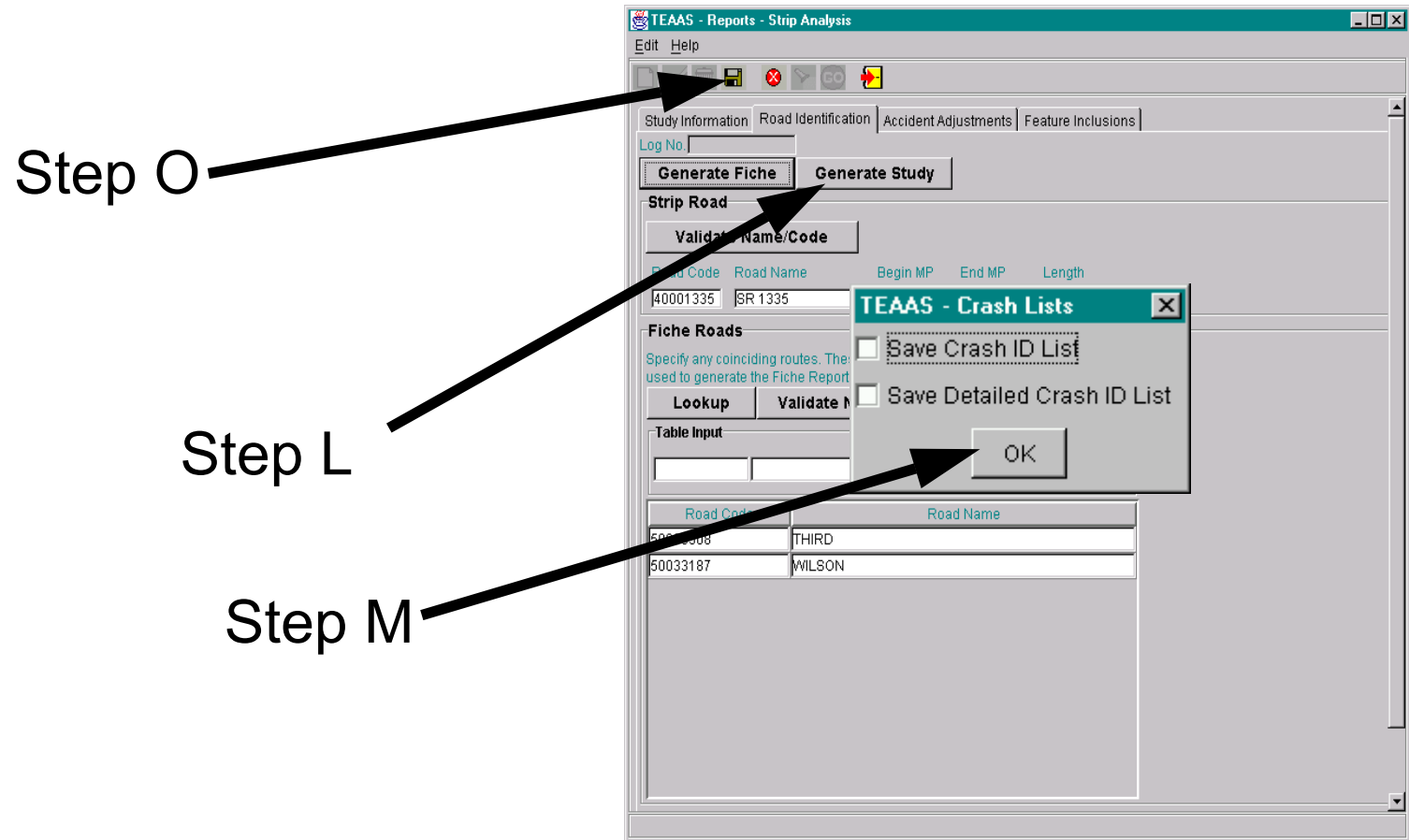
# Strip Study Example (Cont.)

Step L - Generate the initial study

Step M - Save the list of Crash IDs (optional)

Step N - Print or save the initial study (optional - not shown)

Step O - Save the study



**North Carolina Department of Transportation  
Traffic Engineering Accident Analysis System  
Strip Analysis Report**

Acc No	Crash ID	Milepost	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
						F	A	B	C	R	L	W	Ch	Ci	Dv	Op
1	98212676	0.000	11/03/1998 12:37	LEFT TURN, SAME ROADWAY	\$ 5500	0	0	0	1	2	1	3	1	0	0	2
Unit	1 : 1	Alchl/Drugs: 0	Speed: 5 MPH	Dir: N	Veh Mnvr/Ped Actn: 8				Obj Strk:							
Unit	2 : 2	Alchl/Drugs: 0	Speed: 45 MPH	Dir: S	Veh Mnvr/Ped Actn: 4				Obj Strk:							
2	99074804	0.017	04/22/1999 05:10	RAN OFF ROAD - LEFT	\$ 5000	0	0	0	0	1	5	1	5	0	0	2
Unit	1 : 1	Alchl/Drugs: 7	Speed: 60 MPH	Dir: S	Veh Mnvr/Ped Actn: 4				Obj Strk: 34							
3	98128649	0.100	07/10/1998 21:20	RAN OFF ROAD - RIGHT	\$ 8000	0	0	3	1	2	5	2	1	0	0	2
Unit	1 : 1	Alchl/Drugs: 0	Speed: 45 MPH	Dir: W	Veh Mnvr/Ped Actn: 4				Obj Strk: 33							
4	96145144	0.300	08/03/1996 01:05	RAN OFF ROAD - RIGHT	\$ 1000	0	0	0	0	2	5	2	1	0	0	2
Unit	1 : 3	Alchl/Drugs: 0	Speed: 45 MPH	Dir: N	Veh Mnvr/Ped Actn: 4				Obj Strk: 58							

# Strip Study Example (Cont.)

Muni. Code	On Road	Miles / Dir From	Dir	From Road	Toward Road	Mile post Road	Mile post	Crash ID	Date
428	ADAMS	0.000	S	THIRD	MADISON		999.999	98015535	1998-01-23
428	MADISON	0.000		THIRD	MAIN		999.999	97184529	1997-09-30
428	MCNRCE	0.000		THIRD	WILSON		999.999	96178776	1996-09-19
428	THIRD	0.000		ANDREW JACKSON	FOURTH		999.999	98056359	1998-03-25
428	THIRD	0.000		ANDREW JACKSON			999.999	96237919	1996-12-04
428	THIRD	0.000		JEFFERSON	FOURTH		999.999	98193406	1998-10-08
428	THIRD	0.000		MADISON	ADAMS		999.999	98191616	1998-10-07
428	THIRD	0.000	N	MADISON	MAIN		999.999	98212675	1998-11-03
428	THIRD	0.000		MCNRCE	WILSON		999.999	97034691	1997-02-21
428	THIRD	0.000		MCNRCE	US 64		999.999	97030231	1997-02-14
428	THIRD	0.000		MCNRCE	WILSON		999.999	97029145	1997-02-13
428	THIRD	0.000		MCNRCE	WILSON		999.999	96175516	1996-06-15
428	THIRD	0.019	E	RANKIN	ANDREW JACKSON		999.999	97187120	1997-10-04
428	THIRD	0.009	W	WASHINGTON	JEFFERSON		999.999	98026743	1998-02-09
428	THIRD	0.000	W	WILSON	MAIN		999.999	99258041	1999-12-20
428	WEST	0.000		WILSON			999.999	96028023	1996-02-05
428	WILSON	0.009	S	*LCL WINSETTE CIR	FOURTH		999.999	99120224	1999-06-24
428	WILSON	0.019	N	CAMPBELL	PINE		999.999	96256867	1996-12-27
428	WILSON	0.009	N	CHESTNUT	BRINKLEY		999.999	97025245	1997-02-08
428	WILSON	0.009	N	CHESTNUT	BRINKLEY		999.999	97025244	1997-02-08
428	WILSON	0.019	N	CHESTNUT	CAROLINA		999.999	97097521	1997-05-23



# Strip Study Example (Cont.)

Step P - Review the crashes on the fiche report and compare them to the initial study to determine if there are any crashes that need to be added, deleted, or remileposted.

EXAMPLE:

<u>Adds</u>		<u>Remileposted</u>
96028023 1.45	96243509 1.91	99258041 1.98
96145144 0.30	96251310 1.62	
96175516 2.05	96256867 0.90	
96178776 2.05	97025244 1.65	<u>Deletes</u>
96217726 1.46	97025245 1.65	NONE

# Strip Study Example (Cont.)

Step Q - Click on the “**Modify**” icon

Step R - Go to the “Accident  
Adjustments” tab

The screenshot shows the 'TEAA Reports - Strip Analysis' window. The 'Accident Adjustments' tab is selected. The window contains several sections for data entry:

- Study Information:** Includes a 'Save As' button and a 'Study Area' section with fields for 'Study Name' (DTHARPEWASHSR1335), 'Location Text' (SR 1335 in Washington County), 'County' (WASHINGTON), 'Division Municipality' (1 All and Rural), 'Y-Line Feet' (50), 'Begin Date' (1/1/1996), 'End Date' (12/31/1999), 'Years' (4), 'ADT' (1700), 'ADT Route' (40001335), 'K/A Coeff.' (76.8), 'B/C Coeff.' (8.4), 'Log No.', 'PH No.', and 'TIP No.'.
- Request Information:** Includes fields for 'Received', 'Courier Service', 'Requested By', 'Phone', 'Phone Ext.', and 'Fax'.
- Last Update:** Includes fields for 'User ID' (edtrain) and 'Date/Time' (16 November 2000 09:04 AM).

Arrows indicate the steps: Step Q points to the 'Modify' icon (a yellow pencil) in the toolbar, and Step R points to the 'Accident Adjustments' tab.

# Strip Study Example (Cont.)

Step S - Click the “**Generate Lists**” button.

Step T - Highlight the crashes to be added in the “Fiche Minus Study Accidents List” table, then click the “**Include**” button

Step U - Highlight the crashes to be remileposted in the “Study Accidents List”, then click the “**Remilepost**” button

Step V - Highlight the crashes to be excluded in the “Study Accidents List”, then click the “**Exclude**” button

Step S

Step T

Step U

Step V

(not used In this example)

# Strip Study Example (Cont.)

The screenshot shows the TEAAS - Reports - Strip Analysis window. The interface includes a menu bar (Edit, Help), a toolbar, and several tabs: Study Information, Road Identification, Accident Adjustments, and Feature Inclusions. The 'Study Information' tab is active, showing fields for Log No., Begin MP (0.0), End MP (2.220), and Road Code (235). Below these are buttons for 'Generate Lists' and 'Generate Study'. The 'Included Accidents' section contains a 'Table Input' area with a 'Submit' button and a table with columns: Type, CrashID, Old MP, New MP, and Include. The table has several rows, with the first row highlighted. To the right of the table is an 'Import List' button. The 'Fiche Minus Study Accidents List' section contains a table with columns: CrashID and Milepost, and a list of accidents. Below this is an 'Include' button. The 'Study Accidents List' section contains a table with columns: CrashID and Milepost, and a list of accidents. Below this is a 'Remilepost' button and an 'Exclude' button. The 'Excluded Accidents' section contains a table with columns: CrashID and Milepost, and a list of accidents. Annotations with arrows point to specific elements: 'Step X' points to the 'Feature Inclusions' tab; 'Step W' points to the first row in the 'Included Accidents' table; 'Step Y' points to the 'Submit' button; and 'Step Z' points to the 'Feature Inclusions' tab.

Step X

Step W

Step Y

Step Z

To remilepost crashes, complete steps W through Y:

Step W - Highlight the crash in the “Included Accidents” table and click the “**Enter**” key.

Step X - Assign a new milepost value to the crash

Step Y - Click on the “**Submit**” button

Step Z - Go to the “Feature Inclusion” Tab

# Strip Study Example (Cont.)

Step AA - Determine the features that need to be mileposted on the strip route. In this example, the following features need to be added:

<u>FEATURE TEXT</u>	<u>MP of Feature</u>
PLYMOUTH CITY LIMITS	0.70
SR 1336/BATEMAN ST	1.08
START OF THIRD ST	1.96
HYMAN LANE	1.01
CAMPBELL ST	0.88
PINE ST	0.80
GOLF ST	1.36
WASHINGTON ST	2.20
JEFFERSON ST	2.11
MONROE ST	2.04
FOURTH ST	1.88
RR TRACKS	1.81
CHESTNUT ST (NORTHERN END)	1.79
CHESTNUT ST (SOUTHERN END)	1.60
US 64	0.00
POST OFFICE	2.13
WALMART PVA	1.85

(Note - repeat Steps  
AA through BB for each  
feature to be added)

# Strip Study Example (Cont.)

Step BB - Enter the text of the new feature

Step CC - Enter the milepost value of the new feature

Step DD - Click the “**Generate Study**” button to generate the final study

Step EE - Click the “**Save**” button to save the final study

Step EE

Step BB

Step CC

Step DD

Feature	Milepost
PLYMOUTH CITY LIMITS	0.70
SR 1336/BATEMAN ST	1.08
START OF THIRD ST	1.96
HYMAN LANE	1.01
CAMPBELL ST	0.88
PINE ST	0.80
GOLF ST	1.36
WASHINGTON ST	2.20
JEFFERSON ST	2.11
MONROE ST	2.04
FOURTH ST	1.88
RR TRACKS	1.81
CHESTNUT ST (NORTHERN END)	1.79
CHESTNUT ST (SOUTHERN END)	1.60

1 of 1